

What is claimed is:

1. An actuator,  
comprising:  
a flexible sheet member being made of a polymer material; and  
a pair of electrodes being respectively provided on both faces of said sheet member, said electrodes being made of carbon nano fibers.
2. The actuator according to claim 1,  
wherein one end of the carbon nano fibers constituting said electrodes bite into said sheet member.
3. The actuator according to claim 1,  
wherein the polymer material is polyurethane resin.
4. The actuator according to claim 1,  
wherein the polymer material is silicone resin.
5. A material for electrodes of an actuator, which comprises a flexible sheet member made of a polymer material and a pair of the electrodes respectively provided on both faces of the sheet member, being made of carbon nano fibers.